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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/747,792	12/29/2003	Naveen Aerrabotu	CS23057RL	6422

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MOTOROLA INC  
600 NORTH US HIGHWAY 45  
ROOM AS437  
LIBERTYVILLE, IL 60048-5343

EXAMINER

HOANG, THAI D

ART UNIT	PAPER NUMBER
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2616

DATE MAILED: 09/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/747,792

Applicant(s)

AERRABOTU ET AL.

Examiner

Thai D. Hoang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 19 June 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-36 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-7, 9-24 and 26-36 is/are rejected.
- 7) ☒ Claim(s) 8 and 25 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-7, 9-17, 19-24, 26-29 and 31-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bedingfield et al, USPAT 6,853,718 B1 in view of Matison, USPAT 6,018,570, hereafter referred to as Bedingfield and Matison respectively.

Regarding claims 1, 4-5, 10, 13-14, 16, 21-22, 27, 31, 33 and 35, Bedingfield discloses a system and method for efficient telephone call transfer. Fig. 9, Bedingfield teaches the method comprises the step of: establishing a call with a first user, step 904 (establishing a connection with a first party), and performing and sending hook flash message on a signaling channel. Bedingfield does not disclose the flash message including a connection control information record that controls a connection status of the connected first user (transmitting a flash with information message on a reverse link signaling channel). However, Matison discloses a user record including directory number field 204 assigned to the user, and a feature status field 210 that may include activated/deactivated bit for indicating status of the user, fig. 2a-b, col. 11 lines 29-55 (the flash with information message including a connection control information record that controls a connection status of the connected first party; wherein the flash with information message includes a connection reference field having a unique value

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assigned to the first party, and a connection status field that indicates a desire to activate the connection status of the first party.) It would have been obvious to one of ordinary skill in the art at the time the invention was made to adapt user record information disclosed by Matison into Bedingfield's system in order to manage call connection between users.

Regarding claims 2 and 19, since Matison's system allows three ways calling (col. 15, lines 10-33), therefore, the user record comprises a plurality of connection control information record (wherein the connection control information record comprises a multi-party connection control information record.). It would have been obvious to one of ordinary skill in the art at the time the invention was made to adapt user record information disclosed by Matison into Bedingfield's system for advantages cited above with respect to claim 1.

Regarding claims 3, 15, 20 and 32, Matison discloses that the feature status field 210 that may include activated/deactivated bit of the user, fig. 2a-b, col. 11 lines 29-55 (wherein the connection status includes one of a party audio mute status, a party hold status, a party active status, and a party disconnect status.) It would have been obvious to one of ordinary skill in the art at the time the invention was made to adapt user record information disclosed by Matison into Bedingfield's system for advantages cited above with respect to claim 1.

Regarding claims 6 and 23, Bedingfield teaches after performing hook flash (step 906) the first connection with the first called party is maintained while establishing the second connection with the second called party, and calling party performs another

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hook flash to create three way call (step 932); fig. 9, col. 7, lines 24-37, col. 8, lines 31-38, col. 16, lines 34-56, and col. 17, lines 1-8 (establishing a connection with a second party while maintaining the connection with the first party).

Regarding claims 7, 9, 17, 24, 26, 34 and 36, Bedingfield teaches after performing hook flash (step 906) the first connection with the first called party is maintained while establishing the second connection with the second called party, and calling party performs another hook flash to create three way call (step 932); fig. 9, col. 7, lines 24-37, col. 8, lines 31-38, col. 16, lines 34-56, and col. 17, lines 1-8. It would have been obvious to one of ordinary skill in the art to place the second party on hold while activating a status of the first party, or to place the second party on hold while activating a status of the first party in order to create a three way call.

Regarding claims 12 and 29, Matison discloses in fig. 2a-b the message comprises information message (204-214) and/or extended information message (216-218.) It would have been obvious to one of ordinary skill in the art at the time the invention was made to adapt user record information disclosed by Matison into Bedingfield's system for advantages cited above with respect to claim 1.

Claims 11 and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bedingfield in view of Matison as shown above, and further in view of Vainio et al, US Patent No. 6,577,721 B1, hereafter referred to as Bedingfield , Matison and Vainio respectively.

Regarding claims 11 and 28, Vainio discloses the calling party and a base station exchange information to set up a conference, col. 3, lines 29-50, col. 4, line 52 - col. 5,

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line 23, col. 5, line 49 - col. 6, line 12 (wherein the reverse dedicated signaling channel comprises a communication path that exists between a specific mobile station and a base station for the exchange of control information from the specific mobile station to the base station). It would have been obvious to one of ordinary skill in the art at the time the invention was made to adapt user record information disclosed by Vainio into Bedingfield's system to expand the market because wireless is widely applied in the communication network.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 18 and 30 are rejected under 35 U.S.C. 102(b) as being anticipated over Matison as shown above.

Regarding claims 18 and 30, Vainio discloses the system (fig. 1) comprises:

an input/output 110 interface (a transceiver);

a controller 112 coupled to the interface 110 to control for establishing connections with a plurality of conference call participants, fig. 1b (a controller coupled to the transceiver, the controller configured to establish a connection with a first party via the transceiver). Matison discloses intelligent peripheral 102 comprising user record database 114', that includes personal identification number 206 (a party identifier storage module configured to store a party identifier associated with the first party) and

the feature status field 210 that may include activated/deactivated bit of the user feature status (a flash with information message including a connection control information record that controls a connection status of the connected first party)

### ***Allowable Subject Matter***

Claims 8 and 25 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

### ***Response to Arguments***

Applicant's arguments, filed 06/19/2006, with respect to claims 1-36 have been fully considered and are persuasive. The rejection of claims 1-36 has been withdrawn.

### ***Conclusion***

The following references are cited to further show the state of the art with respect to the application:

US PAT No. 6788953 B1, Cheah et al, "Wireless local loop communication system using SLIC module."

US PAT No. 6535730 B1, Chow et al, "Wireless centrex conference call adding a party."

US PAT No. 6112084 A, Sicher et al, "Cellular simultaneous voice and data including digital simultaneous voice and data (DSVD) interwork."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thai D. Hoang whose telephone number is (571) 272-3184. The examiner can normally be reached on Monday-Friday 10:00am-6:30pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doris To can be reached on (571) 272-7629. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TH

Thai Hoang



CHAU NGUYEN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600